

CLAIMS

1. A steam cooker, comprising:

a steam generator for generating steam;

5 a steam temperature-raising device for raising a
temperature of steam coming from the steam generator;
a heating chamber provided with a ceiling steam
outlet on its ceiling side, in which an object to be cooked
is heated by steam supplied from the steam temperature-
raising device via the ceiling steam outlet,

10 said steam temperature-raising device including:

a tray-shaped case having a recessed part
which has a sidewall provided with a steam supply port
through which steam from the steam generator enters the
15 recessed part, the recessed part having a planar shape that
is roughly axisymmetrical with respect to a center line of
a steam flow entering through the steam supply port, the
tray-shaped case being placed, with an opening of the
recessed part directed downward, on the heating chamber at
20 the ceiling steam outlet;

a heater placed in the recessed part such
that a planar shape of the heater is roughly axisymmetrical
with respect to said center line; and

25 a spiral heat radiation fin wound around the
heater and having a fin pitch of 10 mm or less.

2. The steam cooker according to claim 1, wherein
a plurality of steam outlets for supplying steam
into the heating chamber sideways are provided, in roughly
5 axisymmetrical arrangement with respect to said center line,
in sidewalls facing each other across said center line of
the recessed part of the tray-shaped case and on the
opposite side of the steam supply port.

10 3. The steam cooker according to claim 1, wherein
a sidewall on the opposite side of the steam
supply port of the recessed part of the tray-shaped case is
inclined with respect to a plane roughly perpendicular to
said center line.

15 4. The steam cooker according to claim 1, wherein
the planar shape of the recessed part of the
tray-shaped case is a generally pentagonal shape having
three sides forming a U-shape and two sides continuous with
20 both ends of the U-shape of the three sides and forming a
generally V-shape bent outward, and

the steam supply port is provided in a sidewall
corresponding to a central one of the three sides forming
the U-shape of the recessed part of the tray-shaped case.

5. The steam cooker according to claim 1, wherein
the planar shape of the recessed part of the
tray-shaped case is a shape having three sides forming a U-
shape and an arc-shaped outer periphery that is continuous
5 with both ends of the U-shape of the three sides and curves
outward, and

the steam supply port is provided in a sidewall
corresponding to a central one of the three sides forming
the U-shape of the recessed part of the tray-shaped case.

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6. The steam cooker according to claim 4, wherein
each of corners of the recessed part of the tray-
shaped case has a curved surface so that adjacent sidewalls
are smoothly continuous with each other.